

In the Claims

1. (Amended) Electric machine with at least one magnetic circuit and at least two structural groups that are moveable against each other, [that are] said two structural groups being separated from each other by an air gap, and [that contain] said two structural groups containing at least one soft magnetic body each, partial areas of the surfaces of said at least two structural groups that lie adjacent to [the] said air gap having inhomogeneous properties with regard to the magnetic flux,

wherein at least one said soft magnetic body has a [component] region that is [disposed near] facing the air gap, said region facing the air gap having soft magnetic teeth that are disposed toward said air gap, [and consists] said region facing the air gap consisting of a material with higher magnetizability and/or higher saturation flux density than [a part] the remaining region of said soft magnetic body that is disposed more distant from said air gap, said [part] remaining region of said soft magnetic body belonging to the same said magnetic circuit, and said remaining region of said soft magnetic body possessing in total a larger cross section in direction of the flux than the sum of said teeth that are disposed toward said air gap.

6. (Amended) Electric machine with at least one magnetic circuit and at least two structural groups that are moveable against each other, [that are] said two structural groups being separated from each other by an air gap, and [that contain] said two structural groups containing at least one soft magnetic body each, partial areas of the surfaces of said at least two structural groups that lie adjacent to [the] said air gap having inhomogeneous properties with regard to

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the magnetic flux, wherein at least one of said structural groups contains at least two magnetic units [that consist] said magnetic units consisting of [a] at least one spooled pole segment and two non-spooled half pole segments, said pole segments and said half pole segments being composed of grain oriented electric sheet, said two half pole segments abutting at least one said pole segment in the yoke area.

7. (Amended) Electric machine [in accordance with claim 6] with at least one magnetic circuit and at least two structural groups that are moveable against each other, said two structural groups being separated from each other by an air gap, and said two structural groups containing at least one soft magnetic body each, partial areas of the surfaces of said at least two structural groups that lie adjacent to said air gap having inhomogeneous properties with regard to the magnetic flux, wherein at least one of said two structural groups contains at least two adjacent non-spooled half pole segments and a T-shaped holding element that is arranged between [two] said adjacent [said] half pole segments, said holding element magnetically separating said [magnetic units] half pole segments and preventing movement of said half pole segments [it holds].